

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A steel wheel-type linear motor in which a stator coil acting as a primary conductor of a linear motor is located ~~on~~ on a bogie that supports a steel wheel capable of traveling on a rail so as to be opposite to a secondary conductor on the ground side; said stator coil is contained in a coil groove of a stator core including an opening so as to protrude from an end of said stator core; and a bar is fitted by insertion in said opening, and thus said stator coil is fixed to said stator core, the steel wheel-type linear motor comprising:

a protective cover having insulating properties that is located in direct contact on the ground side of said stator coil protruded from said stator core; and

a vent hole formed in said protective cover in opposition to a gap formed between adjacent ends of said stator coil ~~protruded~~ protruding from said stator core; characterized in that wherein:

said bar is made to protrude from said stator core, and ~~[[thus]]~~ said protective cover on said stator core side is pressed onto said stator coil to be supported by means of said bar; said protective cover on the side opposite to said stator core is fixed to said stator coil by means of a fastener member having insulating properties that goes through said vent holes; and said stator coil and said protective cover are formed ~~to be of~~ into an integral structure ~~using~~ by means of an insulating varnish.

2. (Currently Amended) The steel wheel-type linear motor according to claim 1, wherein said bars extend up to said vent hole on the end side of said stator coil at intervals of a predetermined number of bars.